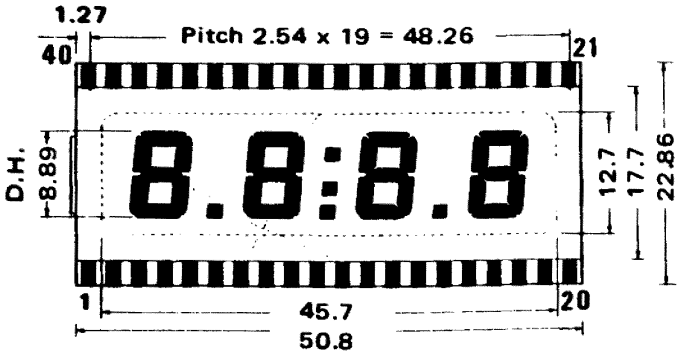
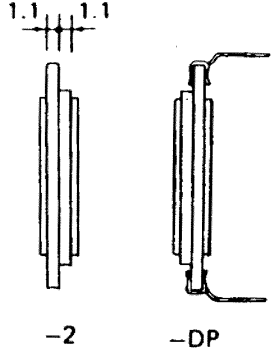
VI-401-DP, VI-401-2

DIGIT HEIGHT 8.89 mm (0.35")





DRIVER: OKI MSM58292, HD61603

Pin No	Segment	Pin No.	Segment	Pin No	Segment	Pin No.	Segment
1	COM	14	2D	27	2G	40	COM
2	NC	15	2C	28	L		
3	NC	16	2DP	29	3B		
4	NC	17	1E	30	3A		
5	4E	18	1D	31	3F		
6	4D	19	1C	32	3G		
7	4C	20	1B	33	NC		
8	4DP	21	1A	34	4B		
9	3E	22	1F	35	4A		
10	3D	23	1G	36	4F		
11	3C	24	2B	37	4G		
12	3DP	25	2A	38	NC		
13	2E	26	2F	39	NC		

TYPICAL ELECTRO-OPTICAL CHARACTERISTICS

PARAMETER \ FLUID*			STANDARD (S)								WIDE TEMPERATURE (W)				
			–	MULTIPLEX (LV)			MULTIPLEX (HV)			LV	–	MULTIPLEX (HV)			
Drive Method			Static	1/2	1/3	1/4	1/2	1/3	1/4	1/16	Static	1/2	1/3	1/4	1/16
Operating Temperature†		C	–10 ~ +60	0 ~ 50			–10 ~ +60			0 ~ +50	40 ~ +84	30 ~ +80			
Storage Temperature		C	– 20 ~ +60				20 ~ +70			20 ~ +60	40 ~ +85				
Operating Voltage (25C) ■		V	3.0	3.1			4.5	4.5	4.7	4.6	5.0	4.5	4.5	4.7	7.6
Rise Time	0C	mSec	350	400			200			600	100	180			
	25C		120	120			80			150	40	55			
Decay Time	0C	mSec	250	350			180			550	100	110			
	25C		100	120			80			150	50	50			
Temperature Coefficient (0 – 40C) V_{10}		mV/C	–	–10.0			–7.5			–7.0	–	–7.5			
Operating Frequency Range		Hz	30 – 300	60 – 300						60 – 100	30 – 300	60 – 300			60 – 100
Capacitance		pF/mm^2	10							–	10				–
DC Resistance		MΩ	100								100				
Contrast Ratio			20:1							10:1	20:1				10:1
Current Consumption (Per Active Area)		nA/mm^2	15								12				

TYPICAL ENVIRONMENT SPECIFICATIONS▲

Without Polarizer, 80C 95% RH	> 200 hours	> 400 hours
With Polarizer, 60C 75% RH	> 300 hours	> 1200 hours

* For other fluids, please consult VARITRONIX
† No temperature compensation, drive voltage of Multiplexed display must be adjusted for optimum operation in the extreme temperature ranges
▲ Expected lifetime under normal operating conditions – 50,000 hours (standard)/100,000 hours (wide temperature)
■ Maximum DC Voltage allowable at 50 mV